

What is Claimed is:

1. An electronic stethoscope with Piezo-Electrical Film contact microphone, comprising:
 - a stethoscope head, having a Piezo-Electrical Film contact microphone thereon;
 - a OP amplifier circuit, electrically coupled to said stethoscope head, for amplifying a sound signal received by said Piezo-Electrical Film contact microphone and converting the sound signal into a current;
 - a wave filter circuit, electrically coupled to said OP amplifier circuit, and comprising a heart sound wave filter and a lung sound wave filter, for filtering any noise with a frequency other than that of a specified sound and keeping the specified sound;
 - a microcontroller unit (MCU), electrically coupled to said OP amplifier circuit and wave filter circuit, for controlling the actions of said OP amplifier circuit and wave filter circuit;
 - a receive circuit, electrically coupled to said microcontroller unit, for receiving a signal after being filtered and processed;
 - a switch module, electrically coupled to said microcontroller unit, for setting a measuring mode selected from the collection of a heart sound mode and a lung sound mode; and
 - by means of foregoing elements, the sound signal received by contacting said stethoscope head onto a patient's body being sent to said OP amplifier circuit, and the amplified sound signal being sent to a wave filter specified by said wave filter circuit

according to the measuring mode selected by said switch module,
and the filtered sound signal being sent to said receive circuit, so
that medial people being capable of making correct diagnostics
after the noise of the sound signal being filtered by said wave
5 filter circuit under the control of said microcontroller unit.

2. The electronic stethoscope with Piezo-Electrical Film contact
microphone of claim 1, wherein said microcontroller unit is
electrically coupled to a display unit for displaying the result.
3. The electronic stethoscope with Piezo-Electrical Film contact
10 microphone of claim 2, wherein said display unit is a liquid
crystal display.
4. The electronic stethoscope with Piezo-Electrical Film contact
microphone of claim 1, wherein said receive circuit is a wireless
receive circuit.
- 15 5. The electronic stethoscope with Piezo-Electrical Film contact
microphone of claim 4, wherein said wireless receive circuit is a
wireless electronic earphone.
6. The electronic stethoscope with Piezo-Electrical Film contact
microphone of claim 1, wherein said receive circuit is a wired
20 receive circuit.
7. The electronic stethoscope with Piezo-Electrical Film contact
microphone of claim 6, wherein said wired circuit is a wired
electronic earphone.